## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2026	(89/1.51,1.52,1.53,1.54,1.55,1.58,1.59).CQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/07/19 07:09
L3	0	air and shock and wave and high-velocity and flow and aerodispersible and fire and extinguish\$4 and dispersing charge and container and suspension and separat\$4 and prior and exploding and flexible link and faceplate and eye-rings and stabilizer sleeve and release mechanism and channels and spring-loaded and piston and gas producer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/19 07:12
L4	0	(air and shock and wave and high-velocity and flow and aerodispersible and fire and extinguish\$4 and dispersing charge and container and suspension and separat\$4 and prior and exploding and flexible link and faceplate and eye-rings and stabilizer sleeve and release mechanism and channels and spring-loaded and piston and gas producer).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/19 07:12
S1	3	("2779421").FN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 10:12

\$2	613	(169/46).OQLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 10:15
83	315	(169/28).OCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 10:15
S4	79	(169/81).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 10:15
S5	193	(169/36).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 10:15
S6	613	(169/46).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 12:19
S7	315	(169/28).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 12:19
S8	79	(169/81).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 12:19

<b>S</b> 9	193	(169/36).COLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/05/19 12:19
S10	1134	S6 or S7 or S8 or S9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 12:19
S11	90	S10 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 12:21
S12	62977	S10 and missile or bomb or ballistic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 12:43
S13	72	S10 and (missile or bomb or ballistic)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 12:43

S14	100	("0333117"   "0338604"   "0357719"   "1317551"   "1903348"   "1928909"   "1933694"   "2091589"   "2306321"   "2349980"   "2359573"   "2633920"   "2665768"   "2703527"   "2873806"   "2947315"   "2972998"   "2997051"   "3027903"   "3065798"   "3101733"   "3111133"   "3349786"   "3369609"   "3382800"   "3677347"   "3833063"   "3833064"   "3853180"   "3913604"   "3980139"   "4037665"   "4188856"   "4285403"   "4344489"   "4353303"   "4702322"   "4798143"   "4964469"   "5031701"   "5038866"   "5050683"   "5507350"   "5778984"   "5894891"   "6179246"   "6318473"   "6470805"   "6919840"   "7121353"   "D355744").PN. OR ("1903348"   "1933694"   "2633920"   "2665768"   "2795282"   "4970936"   "5826664"   "6318473"   "7121353"   "7478680").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/19 12:46
S15	16	("3382800").URPN.	USPAT	ADJ	ON	2009/05/19 12:58
S16	11	("2338719"   "3176944"   "3225490"   "3382800"   "3498218").PN. OR ("4218064").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/19 13:00
S17	1	"1997006858"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 13:06
S18	19	"2779421"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 13:06
S19	8	"2050875"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 13:06

S20	15	<sup>*</sup> 2146544"	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 13:06
S21	27	missile and flexible link	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 13:18
S22	5	missile and piston and gas producer	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 14:06
S23	211	102/221	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 15:25
S24	482	102/489	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 15:25
S25	135	102/370	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 15:25
\$26	806	S23 or S24 or S25	US PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 15:26

S27	146	\$26 and piston	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/19 15:26
S28	6	("2368747"   "3967556"   "4188886"   "4526104").PN. OR ("4932325").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/19 15:33
S29	135	102/370	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/20 07:07
S30	19	("3161132"   "3485460"   "3601055"   "3960626"   "3970006"   "4038776"   "4498394"   "4638737"   "4798143"   "4867357"   "4949920"   "5159151"   "5494239"   "5824404"   "5979826"   "6142424"   "6622971").PN. OR ("7082878").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 07:21
S31	2	S30 and piston	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 07:22
S32	23	("1090007"   "1108654"   "2124876"   "3038407"   "3055300"   "3112906"   "3633509").PN. OR ("4651648").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 07:28
S33	18	("1317551"   "1903348"   "2633920"   "2665768"   "2703527"   "3065798"   "3382800"   "4353303"   "4798143"   "6470805"   "7121353").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 07:52
S34	19	("3161132"   "3485460"   "3601055"   "3960626"   "3970006"   "4038776"   "4498394"   "4638737"   "4798143"   "4867357"   "4949920"   "5159151"   "5494239"   "5824404"   "5979826"   "6142424"   "6622971").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 07:55
<b>S</b> 35	19	("3161132"   "3485460"   "3601055"   "3960626"   "3970006"   "4038776"   "4498394"   "4638737"   "4798143"   "4867357"   "4949920"   "5159151"   "5494239"   "5824404"   "5979826"   "6142424"   "6622971").PN. OR ("7082878").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 08:01

S36	28	("2400175"   "3453960"   "4240596"   "4776539"   "4867357"   "4884770"   "5040748"   "5046426"   "5242135"   "5328132"   "5413514"   "5529261"   "5603595"   "5743492"   "5969287"   "5983802"   "5992328"   "6036144"   "6059235"   "6142424"   "6158693"   "6439122"   "6450452").PN. OR ("6622971").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 08:03
337	3	facciano-andrew.in.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 08:12
S39	3	"60484197"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2009/05/20 08:13
S40	0	("2005/0000383").URPN.	USPAT	ADJ	ON	2009/05/20 08:14
S41	26	("3230885"   "3373686"   "3453960"   "3486410"   "3633456"   "3698281"   "4137848"   "4685376"   "5046426"   "5109749"   "5129306"   "5331894"   "5372071"   "5390606"   "5392684"   "5585596").PN. OR ("5969287").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/20 08:19
S42	16	("3382800").URPN.	USPAT	ADJ	ON	2009/12/22 13:31
S43	1486	(169/26,28,29,35,36).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2009/12/22 13:33
\$44	0	("("2665768"   "20060162941"   "3065798"   "4353303"   "6832740").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/07/12 10:50

S45	15	("2665768"   "20060162941"   "3065798"   "4353303"   "6832740").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/12 10:50
S46	45	("1317551"   "1903348"   "2091589"   "2306321"   "2349980"   "2633920"   "2665768"   "2703527"   "3065798"   "3382800"   "3833063"   "3833064"   "3980139"   "4285403"   "4353303"   "4798143"   "4964469"   "6179246"   "6318473"   "6470805"   "6919840"   "7121353").PN. OR ("1317551"   "2009/0250229"   "2306321"   "2349980"   "2633920"   "7121353"   "7478680").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/12 11:08
S47	17	("4372216"   "4394997"   "4417520"   "4455943"   "4625646"   "4638737").PN. OR ("2006/0162941"   "2665768"   "6832740").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/12 11:09
S48	1783	(89/1.51,1.52,1.53,1.54).OOLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	OFF	2010/07/13 08:37
S49	501	102/489	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/13 08:38
S50	148	102/370	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/07/13 08:38
S51	23	("2865584"   "3276367"   "3561705"   "3980019"   "4333382"   "4352314"   "4447025"   "4473200"   "4638736"   "4660456"   "4745840"   "4829878"   "4856409"   "4911059").PN. OR ("5363737").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/07/13 08:41

S52	29	("2865584"   "3276367"   "3561705"   "3980019"	US-PGPUB;	ADJ	ON	2010/07/13
		"4333382"   "4352314"   "4447025"   "4473200"	USPAT; USOCR			09:43
		"4638736"   "4660456"   "4745840"   "4829878"				
		"4856409"   "4911059"). <i>P</i> N. OR ("2462744"				
and the second		"2786392"   "2837370"   "5363737").URPN.				

## **EAST Search History (Interference)**

		Search Query				Time Stamp
L2	16	((89/1.51,1.52,1.53,1.54,1.55,1.58,1.59) or (102/221,489,370) or (169/28,36,46,81,26,35)).CCLS.	UPAD	OR	OFF	2010/07/19 07:09

## 7/19/2010 8:06:55 AM

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